

Title (en)

Data processing device having a DMA function

Title (de)

Datenverarbeitungsvorrichtung mit DMA-Funktion

Title (fr)

Dispositif de traitement de données avec fonction DMA

Publication

EP 0825539 A2 19980225 (EN)

Application

EP 97113924 A 19970812

Priority

JP 23474296 A 19960816

Abstract (en)

A data processing device having a DMA function for controlling DMA transfer, comprises a DMA unit (10), a CPU (20), a bus arbitration unit (30) for controlling bus-using right of the DMA unit (10) or the CPU (20), and an interruption controller (40) for supplying an interruption request signal, the data processing device in which the DMA unit (10) includes a register (11) and a comparator (12) for making a comparison between the priority set on the DMA unit (10) and the priority set on the interruption request, and a sequencer (18) for deciding the DMA transfer to be executed, canceled, or suspended in the operation state of the DMA unit (10) according to the comparison result of the comparator (12). <IMAGE>

IPC 1-7

G06F 13/28

IPC 8 full level

G06F 13/34 (2006.01); **G06F 13/30** (2006.01)

CPC (source: EP US)

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Cited by

EP1760598A3; EP1156422A3; US8117475B2; US7472206B2; WO2008076892A3; US9141572B2; US9921985B2

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 97113924 A 19970812; JP 23474296 A 19960816; US 90897897 A 19970808